

Title (en)

COIL, STATOR MEMBER, STATOR, AND MOTOR

Title (de)

SPULE, STATORELEMENT, STATOR UND MOTOR

Title (fr)

BOBINE, ÉLÉMENT DE STATOR, STATOR ET MOTEUR

Publication

EP 3968499 A4 20220629 (EN)

Application

EP 20802243 A 20200501

Priority

- JP 2019088141 A 20190508
- JP 2020018415 W 20200501

Abstract (en)

[origin: EP3968499A1] There are provided a coil (10), a stator member (50), a stator (60), and a motor (70) that can, in the case of joining (connecting) a busbar and the coil's terminals (12, 12A, 12B, 13, 13A, 13B), simplify control necessary for joining such as positioning, actualize downsizing of a device (welding device or stator manufacturing device), and improve efficiency of joining work. The coil (10) is configured by winding a conductor, and its first and second terminals (12, 12A, 12B, 13, 13A, 13B) are extended out on a side of one surface (Sf1, Sf2) of the coil (10).

IPC 8 full level

H02K 3/04 (2006.01); **H02K 3/18** (2006.01)

CPC (source: EP US)

H02K 1/16 (2013.01 - US); **H02K 3/12** (2013.01 - US); **H02K 3/18** (2013.01 - EP); **H02K 3/28** (2013.01 - US); **H02K 3/48** (2013.01 - US)

Citation (search report)

- [XYI] US 2015128406 A1 20150514 - ISODA HITOSHI [JP], et al
- [X] WO 2011108736 A1 20110909 - NIDEC CORP [JP], et al
- [X] US 2010201212 A1 20100812 - URANO HIROAKI [JP], et al
- [Y] EP 3085486 A1 20161026 - HONGO TAKENOBU [JP]
- [A] JP 3136235 U 20071018
- [A] US 2016344269 A1 20161124 - YABE KOJI [JP], et al
- See also references of WO 2020226134A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3968499 A1 20220316; **EP 3968499 A4 20220629**; CN 113841319 A 20211224; JP 2020184832 A 20201112; JP 7417236 B2 20240118; US 12068653 B2 20240820; US 2022224180 A1 20220714; WO 2020226134 A1 20201112

DOCDB simple family (application)

EP 20802243 A 20200501; CN 202080033860 A 20200501; JP 2019088141 A 20190508; JP 2020018415 W 20200501; US 202017609317 A 20200501